during 1993-94 under Plan was Rs. 295.56 lakhs and under Non-Plan Rs. 226.97 lakhs, out of which Rs. 82.30 lakhs under Plan and Rs. 63.50 lakhs under non-plan are allocated to the Nagpur Institute.

(c) Yes, Sir.

(d) Knowledge gained in the Universities, Engineering Colleges etc. covers only basic principles of the subject, which is supplemented with applied engineering skills by the National Power Training Institute.

(e) The working of the NPTI is reviewed from time to time by the Governing Council of the Institute. Secretary, Ministry of Power is the Chairman of the Governing Council of the Institute. The working of the Institute is also reviewed in the Annual Meeting of the General Body of the Institute.

Cost of Electricity Generation

2810. SHRI TULASIDAS MAJJI:
DR. SHRIKANT RAMCHANDRA JICHKAR:

Will the Minister of POWER be pleased to state:

(a) what is the per unit cost of production of hydel, thermal, nuclear, solar and tidal electricity, separately; and

(b) what type of electricity generation is being encouraged?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) The average cost of generation during 1992-93 in respect of Thermal & Hydel power stations, on a All India basis, was as under:—

Thermal	—	95.63 paise/Kwh.
Gas	—	81.32 paise/Kwh.
Hydel	—	20.68 paise/Kwh.

The tariffs for electricity supplied by Nuclear Power Plants in India in India as of June, 1994 are as under:—

Station	Tariff (Paise/Kwh.)
Tarapur Atomic Power Station	63.31
Rajasthan Atomic Power Station	64.81
Madras Atomic Power Station	79.23
Narora Atomic Power Station	146.66
Kakrapar Atomic Power Station	207.45

The average cost of per unit electricity production from solar photovoltaic has been estimated to be about Rs. 12 taking average solar insolation and 20 years life of solar photovoltaic modules. From solar thermal and tidal, electricity generation is at a conceptual stage and actual per unit cost will be known only after such plants are set up.

(b) In order to meet the increasing deamnd for electricity and to reduce the gap in demand and supply of power, Government has been taking measures to encourage electricity generation from various available sources such as thermal, hydel, non-conventional sources etc.

Proposals For Power Projects With Central Electricity Authority

2811. SHRI BALBIR SINGH:
SHRI DIPANKAR MUKHERJEE:

Will the Minister of POWER be pleased to state:

(a) the names of power projects for which project reports have been submitted by the NTPC, SEBs and the Private Sector Companies to the Central Electricity Authority for techno-economic

appraisal and the projects for which CEA accorded their techno-economic clearance during the last 2 years; and

(b) the approximate per MW cost of the projects and estimated cost of generation for each of these projects?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) and (b) Details are given in statement I & statement II.

Statement-I

List of Power Schemes Submitted By NTPC/SEBs to Central Electricity Authority During 1992-93 *and* 1993-94

Sl. No.	Name of the Scheme	Capacity (MW)
1	2	3
THERMAL		
1.	Faridabad CCPT-NTPC	400
2.	Ramgarh GTPH. I-RSEB	1×35.5
3.	Suratgarh TPS St. IV-RSEB	2×250
4.	Kota TPS St. IV-RSEB	1×210
5.	Unchahar TPS St. II-NTPC	2×210
6.	Anpara 'C' TPS-UPSEB	2×500
7.	Rosa TPS-UPSEB	2×500
8.	Jawaharpur TPS-UPSEB	3×250
9.	Bawana CCGT-DESU	600/650
10.	Gandhinagar TPS Extn. U.5-GEB	1×210
11.	Wanakbori TPS Extn. U-7 GEB	1/210
12.	Lig. based TPS at Akrimota-GIPCL	2×120
13.	Lig. based TPS at Ghogha-GIPCL	2×120
14.	GTCC in North Gujarat-GEB	300
15.	Korba (West) Extn.-MPEB	1×500
16.	Paras TPs Extn.-MSEB	1×250
17.	Bhusawal 'B' TPS-MSEB	2×500
18.	Kothagudem TPS Extn. St. V. APSEB	2×250
19.	Krishnapatnam TPS St. I-APSEB	2×500
20.	Ramagundem TPS Extn.APSEB	2×250
21.	Sindhadri TPS-APSEB	2×500
22.	Kasargoda DG Sets-KSEB	60
23.	Kozhikode DG Sets-KSEB	120
24.	Vyppin CCGT-KSEB	1200
25.	Diesel Engine Power Plant at Samalpatti-TNEB	100
26.	Tuticorin TPS St. IV-TNEB	1×500

1	2	3
27.	Muzaffarpur TPS Extn.-BSEB	2×500
28.	Katihar TPS-BSEB	2×250
29.	Bakreshwar TPP-WBPDCL	5×210
30.	Kolaghat TPS with F.B.C Tech. WBPDCL	1×25
31.	Murshidabad TPS-WBPDCL	4×500
32.	Diesel Power Station at Bamboo flat-Elec. Deptt. A&N Adm.	4×5
PRIVATE SECTOR PROJECTS		
1.	Dabhol GTCC-Maharashtra	2015
2.	Gandhar CCFT-Gujarat	655
3.	Panch TPS M.P.	2×210
4.	Jegurupadu GTCC TPS-A.P.	216
5.	Godavari GTCC-A.P.	208
6.	Chittorgarh TPS-Rajasthan	1×500
7.	Dubri TPS-Orissa	2×250
8.	Ib. Valley TPS Unit 3 & 4- Orissa	2×210
9.	Jojobera TPS-Bihar	3×67.5
10.	Chandil TPS-Bihar	2×250
11.	Gouripore TPS-West Bengal	2×67.5
12.	Balagarh TPS Unit 1 & 2-West Bengal	2×250
13.	Kharsang Gas Engine-Ar. Pradesh	2×4
14.	Kaperkheda TPS Unit 5 & 6-Mah.	2×210
15.	Bhadravati TPS-Maharashtra	2×500
16.	Mangrol TPS-Gujrat	1×250
17.	Hazria GTCC-Gujarat	500
18.	Power Plant FTCC-Gujarat	145
19.	Korba West Unit 5&6-M.P.	2×210
20.	Cuddalore TPS-Tamil Nadu	2×525
21.	Neyveli (0 Unit)-Tamil Nadu	1×250
22.	Mangalore TPS-Karnataka	6×167
23.	Vishakhapatnam TPS-A.P.	2×500
HYDRO		
1.	Goriganga St. III A & B-U.P.	3×40+2×10
2.	Parbati St. II-H.P.	4×200
3.	Chikhaldhara-Maharashtra	4×100
4.	Chamera St. I-H.P.	3×100
5.	Purulia PSS-W.B.	4×225
6.	Nogel H.P	2×6

1	2	3
7.	Loktak Down Stream-Manipur	3×30
8.	Demwe-Ar. Pradesh	8×65
9.	Suru (Chutak)-J&K	4×2.4
10.	Kuttiadi Augmentation-Kerala	2×50
11.	Pagladiya-Assam	1×3+1×2.5
12.	Tuini Plasu-U.P.	3×14
13.	Gandhi Sagar PH-II-M.P.	4×40
14.	Renuka Dam MPP-H.P.	2×20
15.	Ans II-J&K	3×10
16.	Parbati St. III-H.P.	3×167
17.	Bawala Nand Prayag-U.P.	3×44
18.	Tapovan Vishnugarh-U.P.	3×120
19.	Ramam St. III-W.B.	3×20
20.	Vishnu Prayag-U.P.	4×100
21.	Karbi Langpi-Assam	2×50
22.	Nagarjunsagar Tail Pond Dam-A.P.	2×25
23.	Varahi Tail Race-Karnataka	2×7.5
24.	Marhikheda-M.P.	2×20
25.	Teesta St. V-Sikkim	3×170
26.	Malana-H.P.	2×43
27.	Maheshwar-M.P.	10×40
28.	Tuivai-Mizoram	3×70
29.	Omkareshwar-M.P.	8×63
30.	Baspa St. II-H.P.	3×100
31.	Hibra-H.P.	3×77
32.	Ghanvi-H.P.	3×7.5

Statement-II

Power Projects accorded techno-economic clearance during 1992-93 and 1993-94 alongwith approximate per MW cost and cost of generation

Sl. No.	Name of the Scheme Capacity (in MW)	Cost/MW (Rs. Cr.)	Cost of Generation Paisa/KWH
Sl. No.	Name of Scheme/Capacity in (MW)	Cost/MW (Rs. Cr.)	Cost of Generation Paisa/KWH
THERMAL			
1.	Unchahar TPP-NTPC (2×210)	2.75	162
2.	Gandhinagar TPS Extn. U.5-GEB 1×210	3.137	240

Sl. No.	Name of the Scheme Capacity (in MW)	Cost/MW (Rs. Cr.)	Cost of Generation Paisa/KWH
3.	Kasargode DG Sets-KSEB(60)	2.96	249
4.	Muzaffarpur TPS Ex-BSEB (2×250)	2.90	152
5.	Dabhol GTCC TPS Phase I	3.98	239
	(Pvt.) 695 Phase II (1320)	4.763	244
6.	Gandhar GTCC (Pvt.) (655)	3.51	197
7.	Jegurupadu GTCC (216) (Pvt.)	3.83	211
8.	Godavari GTCC (208)	3.60	195
HYDRO			
1.	Chamera St. II-M.P. (300)	3.42	84.0
2.	Purulia PSS-W.B. (900)	1.62	198.16
3.	Tuirial-Mizoram (60)	2.65	111.00
4.	Neogal-H.P. (12)	4.21	95.27
5.	Parnal-J&K (37.5)	3.81	97.40
6.	Loktak Downstream-Manipur (90)	3.88	144.47
7.	Sawalkot-J&K (37.5)	2.58	54.56
8.	Malan-H.P. (86)	2.50	100.90
9.	Bargarh Canal-Orissa (9)	3.71	105
10.	Teesta St. V.-Sikkim (510)	3.78	127
11.	Marhikheda-M.P. (40)	2.67	192
12.	Tuival-Mizoram (210)	3.14	161
13.	Maheshwar (Pvt.)-M.P. (400)	2.68	258
14.	Omkareshwar MPP-M.P. (520)	2.34	195

Assistance to Dhabol Power Projects From Indian Financial Institutions

2812. SHRI DIPANKAR MUKHERJEE: Will the Minister of POWER be pleased to state:

(a) whether IDBI is financing Rs. 1500 crores for Dhabol Power Corporation in Maharashtra;

(b) if so, whether Government's stipulation lays down that not more than 40% spending can be done by the Indian Financial Institutions in such projects;

(c) if not, what is the amount financed by IDBI for this Project and at what interest; and

(d) whether Government are taking steps to ensure that the Indian Financial Institutions financing the project are getting the equity share at par?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P.V. RANGAYYA NAIDU): (a) and (c) The Dabhol Power Company (DPC) is seeking commitments for approxmiately Rs. 600-700 crores in Rupee term loans from Indian Financial Institutions including IDBI. The interest on the loan will be 17.5% per annum.

(b) Yes Sir.

(d) The onus of raising finances for a private power project lies on the promoter. The financial institutions including Indian Financial Institutions make their own appraisal of the project and decide on financing a project on the basis of their commercial judgement.